

Serial No. 10/657,258  
Amdt. dated June 7, 2005  
Reply to Office Action of December 7, 2004

Docket No. YHK-0118

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A photo peeling method of fabricating an electrode ~~of~~ for a plasma display panel ~~using a photo peeling method, the method~~ comprising the steps of:

forming a photo material layer on a substrate, wherein the adhesive strength of the photo material decreases when the photo material is exposed to light;

exposing a least one area of the photo material layer to light ~~in correspondence~~ according to a desired pattern;

forming an electrode material layer on both the exposed area(s) of the photo material layer and the unexposed area(s) of the photo material layer;

forming a peeling material layer on the electrode material layer, wherein the peeling layer has ~~higher~~ a greater adhesive strength for the electrode material layer than ~~an exposure area~~ the exposed area of the photo material layer has for the electrode material layer; and

~~taking off~~ removing the peeling material layer to leave the desired pattern of the

electrode material layer on the unexposed area(s) of the photo material layer.

2. (Currently Amended) The method according to claim 1, wherein the ~~exposure area of the electrode material layer~~ on the exposed area(s) of the photo material layer is removed when ~~taking off~~ removing the peeling material layer.

3. (Currently Amended) The method according to claim 1, further ~~includes~~ comprising the step of:

firing the ~~remaining~~ area ~~except~~ where the electrode material layer remains after ~~is removed by~~ removing the peeling material layer.

4. (Previously Presented) The method according to claim 1, wherein the photo material layer includes:

binder of 20-50 wt%;

reactive monomer of 40-70 wt%;

photo initiator of 2-5 wt%; and

additive of 2-5 wt%

5. (Previously Presently) The method according to claim 4, wherein the binder includes at least one of polyurethane, polyester, polyacrylate, co-polymer with carboxylic -COOH and radical OH or tri-polymer with carboxylic -COOH and radical OH.

6. (Previously Presented) The method according to claim 4, wherein the reactive monomer includes at least one of a multi-functional monomer with 2-5 reactive radicals, acrylic monomer or urethane monomer and oligomer.

7. (Currently Amended) The method according to claim 4, wherein the photo initiator includes at least one of 1-hydroxy-cyclohexyl-phenyl ketone, ~~p-pheny~~ p-phenyl benzo phenone, benzyldimethylketal, 2,4-dimethylthioxanthone, 2,4-diethylthioxanthone, benzoin ethyl ether, benzoin isobutyl ether, 4,4'-diethylaminobenzophenone, p-dimethyl amino benzoic acid ethylester.

8. (Previously Presented) The method according to claim 5, wherein the additive includes at least one of dispersing agent, stabilizer and polymerization prohibiting agent.

9. (Previously Presented) The method according to claim 1, wherein the electrode

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material layer includes:

silver Ag powder of 90-99 wt%; and

glass-frit of 1-10 wt%.

10. (Previously Presented) The method according to claim 1, wherein the peeling material layer includes:

binder of 70-80 wt%; and

additive of 20-30 wt%.

11. (Previously Presented) The method according to claim 10, wherein the binder includes at least one of polyurethane, polyester, polyacrylate, copolymer with radical OH or tri-polymer with radical OH.

12. (Previously Presented) The method according to claim 10, wherein the additive includes at least one of dispersing agent, stabilizer or adhesive.